DDO JEGT DECORATE OF					
PROJECT DESCRIPTION		EQUIPMENT LIST (CONT	•)		
I. GENERAL	B. EQUIPMEN	T TO BE FURNISHED AND/OR INS	TALLED BY THE CONTRACTO	JR.	PHASE CHADT
This project involves the reconstruction of an existing Traffic Control Signal with street lighting and interconnect at the intersection of MD 157 (Merritt Blvd) and	ITEM				<u>Phase chart</u>
North Point Road in Baltimore County. The existing strain pole traffic signal shall be provided for presence	8003 Pre-man	SCRIPTION  ufactured camera to	QUANTITY  1 EA C.	EQUIPMENT TO BE REMOVED AND RETURNED TO BALTIMORE COL	Marty
detection on North Point Road and for the left turn phases on MD 157. Microprobes shall be used for advance detection. MD 157 is assumed to run in a north-south direction.	8006 Cut, cl	ler (500' length) cable ean, galvanize and cap	1 EA	The existing cobinet and controller is to become the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
II. INTERSECTION OPERATION	traffic	signal structure. and install 12" vehicular	38 EA	property of Baltimore County Traffic Engineering. The contractor is to call Mr. Bill D'Neill at 410-887-8601 All other removed signal materials are to become the	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
1. The intersection is to operate in a NEMA six-phase, fully-actuated	traffic	signal head section and install 15' bracket		property of the contractor.	
mode, with the MD 157 approaches running concurrently. Exclusive left turn phases shall remain for both approaches of MD 157 . The	arm for	traffic signal structure.	4 EA	The contact persons for District #4 are as follows:	PHASE 1 & 5       FL/Y
North Point Road approaches shall continue running concurrently.  2. A full-traffic-actuated, eight-phase controller with two (2) four channel, rack	HPS Lum	and install 250 watt inaire with photocell.	4 EA	Mr. David J. Malkowski District Engineer	PHASE 1 & 6
mount loop detector amplifiers, housed in a NEMA size "6" base-mounted cabinet shall be installed at this intersection.	and dis	and install control tribution equipment 0 V, 1 phase 3 wire	1 EA	Phone: (410) 321-2810  Mr. Randall Scott	1 & 6 CHANGE   FL/Y   FL/Y   ←Y-   G   G   FL/Y   FL/Y   ←R-   R   R   R   R   R   R   R   R   R
III. SPECIAL NOTES	system)		2 EA	Assistant District Engineer - Traffic Phone: (410) 321-2781	PHASE 2 & 5         FL/Y         FL/Y         ←R         R         R         FL/Y         FL/Y         ←G         ←G         G         G         R         R         R         R           2 & 5 CHANGE         FL/Y         FL/Y         ←R         R         R         FL/Y         FL
1. The Contractor shall be responsible for terminating all signal cables.	pole and	d 38′ mast arm.		Mr. Dave Ramsey	PHASE 2 & 6
excluding interconnect, to the appropriate terminals and shall properly label each cable.	pole and	and install 27' mast arm d 50' mast arm.	1 EA	Assistant District Engineer - Maintenance Phone: (410) 321-2761	2 & 6 CHANGE   FL/Y   F
2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787–7650 seventy-two hours in	pole and	and install 27' mast arm d 60' (cut to 40') mast arm.		Mr. Joe McMahon Assistant District Engineer - Utility	PHASE 4 & 8
advance of intended work.	pole and	and install 27' mast arm j 70' (cut to 64') mast arm.	1 EA	Phone: (410) 321–2841  Mr. Richard L. Daff, Sr.	FLASHING  FLAY FLAY FLAY FLAY FLAY FLAY FLAY FLAY
3. Upon completion of this project, the Contractor shall notify Mr. Robert Snyder at (410) 787–7631 to arrange for the phone line installation. The Contractor is to provide Mr. Robert Snyder with the nearest street address, zip code and phone number.		and install microloop et with 500' lead-in	1 EA	Mr. Richard L. Daff, Sr. Chief, Traffic Operations Division Phone: (410) 787–7630	OPERATION    FL/Y   FL/R   FL/
EQUIPMENT LIST	8043 Furnish probe se cable.	and install non-invasive et with 1000' lead-in	2 EA	The power company representative is:	
A. EQUIPMENT TO BE SUPPLIED BY S.H.A	8044 Furnish	and install non-invasive	3 EA	Baltimore Gas and Electric Company Mr. John Freeburger	BB WIRING DIAGRAM
ITEM NO. DESCRIPTION QUANTITY	cable.	et with 500' lead-in		7317 Parkway Drive South Hanover, MD 21076	COIL 430' OF CABLE IN THIS HANDHOLE
9081 Eight-phase, full-traffic 1 EA actuated, solid state digital controller with (two) 4-channel,	foundati	and dispose of existng on 12" below grade.	6 EA	Phone: (410) 859-9060	TI H B
rack mount loop detector amplifiers, housed in a NEMA size "6" base—	existing	and dispose of a material and at per assignment.	1 EA		BB•DD
mounted cabinet.		and install video	4 EA		C.D.G.M.
9089 Sheet aluminum signs to consist of: 34 SF  R4-7 "KEEP_RIGHT 2 EA	8050 Furnish	and install video on interface equipment.	1 EA		BB, DD
(symbolic)" sign, (24" x 30") wood post mounted	8051 Furnish	and install 3" schedule	2230 L.F.		C.D.G.M.S.CC
W3-3 "SIGNAL AHEAD 1 EA (symbolic)" sign. (36" x 36") mast arm mounted.	conduit	polyvinyl chloride - trenched and install 4" schedule		PULL BACK EXISTING INTERCONNECT CABLE TO	THIS _ A, N, T, CC
R1-2 "YIELD" sign. (36"x36"x36") 4 EA ground mounted.	80 rigid conduit	polyvinyl chloride	440 L.F.	HANDHOLE AND REROUTE	C.D.G.M A A.J. LA  S  G  A.C.D.G.M.N.
9090 Sheet aluminum signs to consist of: 111 SF (Blue or Green)		and install 4" schedule polyvinyl chloride – trenched.	70 L.F. II	EXISTING VERCONNECT CONTRACT C	G,M, S,T,BB,CC,DD
D3-2 "Merritt BLVD" sign, 2 EA (variable x 16") (dual faced)	8057 Furnish	and install concrete	19 C.Y.	L.CC L.CC L.W.X.CC - L.V	V $V$ $V$ $V$ $V$ $V$ $V$ $V$ $V$ $V$
mast arm mounted.  D3-2 "North Point RD" sign, 2 EA	8058 Furnish	and install wood sign 4" x 4".	30 L.F.	X,(	$\begin{array}{c} CC \\ C \\ C \end{array}$
(variable x 16") (dual faced) mast arm mounted.	8060 Furnish	and install No. 6 nded bare copper	1700 L.F.	W.X-	R F E # Y,Z
GUIDE SHIELD ASSEMBLY 1 EA (48"x75") pole mounted. M3-1 "NORTH"(30"X15")	ground w	ire. and install 1" electrical	25   5		A,C,D,G,M,N,S, _ F
M1-5 "MD 157"(48"X36") M6-1 "left arrow"(30"X24")	conduit	galvanized sleeve. and install 3" schedule	25 L.F.	X L,R,W,	B.L.P.R.V. FOR FUTURE USE
GUIDE SHIELD ASSEMBLY 1 EA (30"x51") ground mounted. M3-1 "NORTH"(24"X12")	80 rigid conduit	polyvinyl chloride	250 L.F.	L.CC X.CC	B, K B H = E, F, H, O
M1-5 "MD 157"(30"X24") M6-1 "right arrow"(21"X15")	tight fl	and install 1" liquid exible non-metallic	25 L.F.	WIRING KEY  A B C 7-CONDUCTOR ELECTRICAL  B,P,	E,F,H,O
GUIDE SHIELD ASSEMBLY 1 EA (48"x75") pole mounted. M3-3 "SDUTH"(30"X15") M1-5 "MD 157"(48"X36")	8072 Furnish	for detector sleeve. and install electrical	25 EA	D CABLE (NO. 14 A.W.G )  V•CC	B,V-/
M1-5 "MD 157"(48"X36") M6-1 "left arrow"(30"X24")	handhole 8074 Install	round mounted sign.	36 S.F.	G 5-CONDUCTOR ELECTRICAL	D,G,J, L,CC,DD
GUIDE SHIELD ASSEMBLY 1 EA (30"x51") pole mounted. M3-3 "SOUTH"(24"X12")	8075 Install	overhead sign.	109 S.F.	L) 5-CONDUCTOR ELECTRICAL	
M3-3 SOUTH (24 X12") M1-5 "MD 157"(30"X24") M6-1 "right arrow"(21"X15")	rod -3/4"		5 EA	DDS CABLE (NO. 10 A.W.G )  M - PRE-MANUFACTURED CAMERA TO	M,N,P,R,S,T,V,
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR	8084 Furnish o cable - 5 AWG).	and install electrical conductor (No. 14	610 L.F.	CONTROLLER CABLE (500')  N PRE-MANUFACTURED CAMERA TO	W,X,Y,Z,BB  A,B,C,D,E, F,G,H,L,CC,DD
ITEM NO. DESCRIPTION QUANTITY	8085 Furnish o	and install electrical conductor (No. 14	1320 L.F.	p CONTROLLER CABLE (250')	M,N,O,P,R,S,T, U,V,W,X,Y,Z,AA,BB
1001 Maintenance of traffic per 3 EA assignment.	AWG).	and install tray	770 L.F.	Q - EXISTING 6-PAIR INTERCONNECT CABLE  R - REROUTED 6-PAIR INTERCONNECT	PTS
2001 Class 2 Excavation. 4 C.Y.	cable - 2 12 AWG).	conductor (No.	IIV L.F.	CABLE	BG&E PS 290977
2002 Test Pit Excavation 6 C.Y. 5005 24" white heat applied 30 L.F.	8091 Furnish o 80 rigid trenched	nd install 2" schedule polyvinyl chloride –	45 L.F.	T 2-CONDUCTOR TRAY CABLE (NO. 12 A.W.G )	MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
permanent preformed thermoplastic pavement marking.		controller and cabinet	1 EA	NON INVASIVE MICROLOOP Y LEAD-IN CABLE (1000')	Office of Traffic & Safety
5008 Remove existing pavement 35 L.F. markings - any width.	Neg. Pull back	and reroute 6-pair	230 L.F.	AA - NON INVASIVE MICROLOOP LEAD-IN CABLE (500')	TRAFFIC ENGINEERING DESIGN DIVISION  MD 157 (MERRITT BOULEVARD) AND
(stopline / centerline).  6002 Standard type A combination 40 / E	Neg. Furnish o	ect cable and install macadam	4 C.Y.	BB-MICROLOOP LEAD-IN CABLE (500')	NORTH POINT ROAD
curb and gutter 12" gutter pan 8" depth.	patch. Neg. Furnish d	nd install down guy.	1 EA	CC-STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.) PS-PROPOSED UNDERGROUND SERVICE	STREET TRAFFIC STUDIES, LTD.
8001 Pre-manufactured camera to 3 EA controller (250' length) cable	Neg. Furnish a cable – 5	nd install electrical	1905 L.F.	TO BE INSTALLED BY BGE PTS-PROPOSED TELEPHONE SERVICE	## DRAWN BY: F.A.P. NO TS NO TS NO SHEET NO.

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